

TEST REPORT

Report no.:
300-KLAB-19-010



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Init:

File no.:875781

Enclosures: 0

Customer: Company: Sikkerhedsstyrelsen
Address: Nørregade 63
City: 6700 Esbjerg
Tel.: +45 33 73 20 00

Component: Brand: Argo
Type: Mobile air conditioner
Model: Softy
Series no.: 031702248
Production year: N.a.

Dates: Components tested: July 2019

Procedure: EN 14511:2018 part 1, 2 and 3. Test procedure calorimeter room method.

Remarks: The unit was delivered by the customer. The installation and test settings were done according to the manufacturer's instructions.

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Division/Centre: Danish Technological Institute
Energy and Climate
Heat Pump Laboratory, Aarhus

Date: 2019.07.11

Signature: Kamalathasan Arumugam
B.Sc. Engineer



**DANAK**

Test Reg. nr. 300



Objective

The objective of this report is to verify the declared energy class. The product is tested at standard rating conditions according to EN 14511-2:2018 at cooling mode only.

Cooling

Test	Type	Outdoor heat exchanger		Indoor heat exchanger	
		Inlet dry bulb temperature [°C]	Inlet wet bulb temperature [°C]	Inlet dry bulb temperature [°C]	Inlet wet bulb temperature [°C]
Standard rating conditions	Single duct	35	24	35	24

Description of test sample

The test sample is a monobloc (single duct) air conditioner with cooling only. The test sample was chosen by the Danish Energy Agency.

Item	Description	
1	Brand	Agro
2	Type	Mobile air conditioner
3	Model	Softy
4	Series number	031702248
5	Production number	398000464
6	Production year	n.a.
7	Refrigerant type	R410A
8	Refrigerant charge	0.35 kg
9	Voltage supply	220-240 V





Test results and verification of energy label – cooling mode

Temperature set point: Lowest

Fan speed: High

Louver position: Default

Description	Unit	Information on product energy label	Test value	Energy label validation*
Cooling capacity	kW	2.6	3.08	
Power consumption	kW	1.0	1.07	
EER	W/W	2.6	2.89	
Efficiency class	-	A	A	Passed

*According to the Commission Delegated Regulation (EU) No. 626/2011 table 2 (single duct). Efficiency class A: ($2.60 \leq \text{EER} < 3.10$) & B: ($2.40 \leq \text{EER} < 2.60$). The permitted tolerances on EER is 10%.





Test Unit



Rating plate

argo 398000464 <i>Softy</i> LOCAL AIR CONDITIONER argoclima S.p.A. Via A. Vero, 35 25020 Allaneto (BS) - Italy CE	<table border="1"><tr><td>ALIMENTAZIONE ELETTRICA/SOURCE</td><td colspan="2">220-240 V ~ 50 Hz</td></tr><tr><td>ASSORBIMENTO MAX/MAX ELECTRIC INPUT</td><td>1200 W</td><td>6 A</td></tr><tr><td>FUSIBILE PROTEZ. / POWER SUPPLY PROTECTION</td><td colspan="2">3.15 A</td></tr><tr><td>DEUMIDIFICAZIONE / MOISTURE REMOVAL</td><td colspan="2">23 l/24h</td></tr><tr><td>OPERATING PRESSURE: HIGH / LOW SIDE</td><td colspan="2">41.5 / 11.5 bar</td></tr><tr><td>REFRIGERANT R410A</td><td colspan="2">0.35kg</td></tr><tr><td>PESO NETTO / NET WEIGHT</td><td colspan="2">29kg</td></tr><tr><td>No. DI SERIE / SERIAL No.</td><td colspan="2">031702248</td></tr></table> <p>Contains fluorinated greenhouse gases. Hermetically sealed system.</p>	ALIMENTAZIONE ELETTRICA/SOURCE	220-240 V ~ 50 Hz		ASSORBIMENTO MAX/MAX ELECTRIC INPUT	1200 W	6 A	FUSIBILE PROTEZ. / POWER SUPPLY PROTECTION	3.15 A		DEUMIDIFICAZIONE / MOISTURE REMOVAL	23 l/24h		OPERATING PRESSURE: HIGH / LOW SIDE	41.5 / 11.5 bar		REFRIGERANT R410A	0.35kg		PESO NETTO / NET WEIGHT	29kg		No. DI SERIE / SERIAL No.	031702248	
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Energy Label





Detailed test results

Detailed result for 'EN 14511:2018' A35/A35		
Tested according to:		EN 14511:2018
Mode:		Cooling
Measurement type:		Steady state
<i>Data treatment according to EN14511-3:2018</i>		
Capacity		
Cooling capacity	kW	3.08
EER	-	2.89
Power consumption	kW	1.07
Indoor		
Air temperature dry bulb	°C	35.0
Air temperature wet bulb	°C	24.0
Pressure difference between indoor and outdoor	Pa	-0.048
Outdoor		
Air temperature dry bulb	°C	35.0
Air temperature wet bulb	°C	23.8

